

VIRGINIA
STANDARDS OF LEARNING ASSESSMENTS

Spring 2004 Released Test

END OF COURSE
ENGLISH:
Reading/Literature and Research
CORE 1

Property of the Virginia Department of Education

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DIRECTIONS

Read each passage. Then read each question about the passage. Decide which is the best answer to each question. Mark the space on your answer sheet for the answer you have chosen.

SAMPLE

Salmon Run

No one has taught them how to struggle up
On this, a run of grueling, flogging odds.
Instinctive wisdom and a will to rise
Suspends their forms against the crashing flood.
5 Nothing can defeat the pounding roar as
Enraged waters battle their advance.
Clinging by a hidden will they climb,
Stubborn, tireless, faithful as a dream.
Ascending higher regions of the stream.

A Lines 8 and 9 use —

- A** alliteration
- B** internal rhyme
- C** slant (approximate) rhyme
- D** end rhyme

B What feeling does this poem describe?

- F** Determination
- G** Depression
- H** Punishment
- J** Regret

Directions: Read the documents and answer the questions that follow.

DRIVER'S MANUAL

Section A

Getting a Virginia Learner's Permit

You must be at least 15 years and 6 months of age to apply for a learner's permit. This permit allows you to practice your driving skills in preparation for the road test required for a driver's license. When driving with a learner's permit, you must be seated next to a licensed driving instructor or a responsible adult over the age of 21 who holds a valid driver's license.

Required Documentation:

1. Written permission from a parent or guardian (if you are under the age of 18).
2. Certification of school attendance (if you are under the age of 18).
3. One original form of identification that gives proof of your name and date of birth (*no photocopies*).
4. Proof of your social security number.
5. An original proof of Virginia residency such as a pay stub, school identification card, or school transcript (*no photocopies*).
6. Certificate of enrollment in a classroom-instructional portion of a state-approved driver's education program (required for all applicants under the age of 19).

Section B

Application to Obtain a Virginia Learner's Permit

Candidate Information

1. Name:

Last Name

First Name

Middle Initial

2. Address:

Street or P.O. Box

Apartment Number

City

State

Zip Code

3. Date of Birth: / /

4. Telephone Number: () -

ALL APPLICATIONS MUST HAVE DOCUMENTATION FOR 5-9.

5. Form of ID:

7. Residency Proof:

8. Driving Exam Score (if taken):

9. Location of certified driving course:

10. Signature of Applicant:

11. Signature of Parent or Guardian:

6. A copy of your original:

- ___ school transcript
- ___ high school diploma
- ___ GED certificate

Getting a Virginia Driver's License

Every person operating a motor vehicle must be licensed to do so by the state. Pursuant to Virginia state law, applicants must be at least 16 years and 3 months of age to obtain a driver's license.

Required Documentation:

1. Two original forms of identification that give proof of your name and date of birth (*no photocopies*). One form is required for applicants under age 18.
2. Proof of your social security number.
3. An original proof of Virginia residency such as a pay stub, vehicle registration card, insurance policy, or utility bill (*no photocopies*).
4. A certificate showing successful completion of a state-approved driver's education program (if you are under the age of 19).

Required Testing:

1. A two-part knowledge exam consisting of 10 traffic sign questions and 25 multiple-choice questions based on the statutes of the state regarding the rules of driving as indicated in Section Two of the Driver's Manual. All applicants must hold a learner's permit at least 30 days before taking the Virginia Department of Motor Vehicles road skills test.
2. A vision test to assure your eyesight conforms to the state safety standard set for drivers of motor vehicles.
3. A road test administered by a representative of the Virginia Department of Motor Vehicles, in which you demonstrate your skill in maneuvering a motor vehicle and complying with driving regulations.

1 The "Required Documentation" list in Section A states that learners must —

- A have a good academic record
- B demonstrate compliance with motor vehicle laws
- C show proof of school attendance
- D be accompanied by a licensed driver

2 Which question is *not* answered in Section A of the Driver's Manual?

- F How long is the classroom portion of a driver education course?
- G Is a social security number required to obtain a learner's permit?
- H When is written permission from a parent required by the state?
- J Are photocopies permissible as original proof documents?

3 Look at Sections A and B. Which item on the Learner's Permit Application could be left blank by someone over the age of 18?

- A 5
- B 7
- C 10
- D 11

4 Which proof document is *not* listed in Section C?

- F Pay stub
- G Social security card
- H Passport
- J Driver's education certificate

5 Which question is *not* answered under "Required Testing" in Section C?

- A How many questions must be answered correctly on the knowledge exam?
- B What should be studied to prepare for part two of the knowledge exam?
- C Which physical condition is a factor in obtaining a driver's license?
- D What kinds of skills are being tested on a road test?

6 A Department of Motor Vehicles representative is required to be present when a learner is —

- F learning to park
- G taking a road test
- H receiving a driver's education certificate
- J driving with a learner's permit

7 According to the Driver's Manual, completion of a driver education program is required —

- A for all learner's permit applicants
- B for license applicants under the age of 19
- C if a parent is unable to teach the applicant
- D if the applicant lacks a high school diploma

Certain passages and test items have been removed from this form due to copyright limitations.

Directions: Read the report and answer the questions that follow.

The following is a draft of a report written by an eleventh-grade student for his physics class.

Stanowicz 1

Chuck Stanowicz

Mr. Howard

Physics 1

19 May 2003

Daedalus Flies Again

- 1 On April 23, 1988, an ancient Greek legend was recreated on the small island of Santorini, seventy-four miles north of Crete, as researchers once again attempted long distance human-powered flight. According to Greek legend, Daedalus was a fine architect and inventor. However, he offended King Minos who threw him and his son Icarus into prison on the island of Crete. Daedalus immediately began planning an escape. Since the king closely monitored all ships coming and going from the island, escape via that route would be impossible, so Daedalus devised a plan to escape by flight. In *Encyclopedia Mythica*, Martha Thompson noted that “Daedalus used his skills to build wings for himself and Icarus. He used wax and string to fasten feathers to reeds of varying lengths to imitate the curves of birds’ wings” (1). Daedalus taught Icarus how to use the wings but gave him a strict warning to fly at a moderate altitude. Icarus knew he should not “fly too low – for his wings would touch the water and get wet – not too high – for the sun could melt the wax” (Gomez-Romero 1). According to the legend, Icarus became dazzled with the blinding sun and was drawn closer and closer to it until the wax holding his wings together began to melt. He dropped into the sea and disappeared from sight leaving only a few feathers floating on the water. Heartbroken, Daedalus continued his flight to safety.
- 2 The idea of human-powered flight, which has fascinated man for centuries, continues to challenge our adventurous spirit. The desire to successfully fly a long distance powered solely by human strength led to the Daedalus Project on Crete. Engineers and scientists at the Massachusetts Institute of Technology and the National Air and Space Museum prepared to reenact the legend using a craft propelled entirely by human power. They devised a seventy-pound aircraft, aptly named *Daedalus*, made from a material that was lighter than fiberglass yet stronger than steel. According to an *Applied Physics* article by James Langford, “Except for a few metal screws, everything in the airplane has been handcrafted and meticulously screened for weight – even the glue was weighed” (1). The wing ribs were made of polystyrene foam and the wingspan measured 112 feet, which was larger than the wingspan of the Concorde jet (Langford 2).
- 3 Once the aircraft was completed, identifying a pilot for this novel project presented a challenge. The craft was powered by pedaling; therefore, prospective pilots for *Daedalus* were screened for their endurance and aerobic capacity. The most likely candidates were cyclists, and most of the men and women who applied for the pilot position had already broken bicycling records. After evaluating the candidates, the project directors selected a Greek cycling champion, thirty-year-old Kanellos Kanellopoulos.

- 4 Another concern was the pilot's stamina. Researchers estimated the trip would take approximately six hours of pedaling, with each revolution of the pedals equaling 1.5 revolutions of a propeller. Pedaling at this rate, the body would exhaust all its glucose reserve within three hours. An in-flight drink was developed which replenished fluids and salts, as well as doubled the glucose of any other drink. This fluid would sustain Kanellopoulos for up to six hours (Gomez-Romero 99).
- 5 Inclement weather posed a continuing problem for the directors of this expensive project. However, after three weeks of flight cancellations the weather finally turned favorable. On April 23, 1988, with the advantage of a tail wind, Kanellopoulos climbed into the thin plastic cockpit and took off. He pedaled nonstop for just under four hours, "the equivalent of running two marathons" ("How" 150). After pedaling seventy-four miles, Kanellopoulos sighted Santorini. He turned the aircraft into the wind hoping to land on the beach, but to his dismay, a gust of wind lifted *Daedalus* and dropped it into the Aegean Sea. The wings and tail broke, and the fuselage began to fill with water. Kanellopoulos was able to muster the strength to dive through the fragile Mylar cockpit to make it to shore (Langford 3).
- 6 Kanellopoulos and *Daedalus* had successfully flown from Crete to Santorini, breaking three world records for human-powered flight. In doing so, Kanellopoulos had also reenacted the ancient Greek legend of Daedalus and Icarus.

Works Cited

- Gomez-Romero, Pedro. "The Flight of Daedalus, The Flight of Technology." *Science, Technology and Society*. 19 Apr. 1999. 24 May 2000
<<http://www.granavenida.com/superciencia/stsscistories.html>>.
- "How Does a Man-Powered Aircraft Fly?" *How in the World?* Pleasantville, NY: Prentice, 1990.
- Langford, James R. "Triumph of Daedalus." *Applied Physics* 21 (1998): 1-3.
- Thompson, Martha. "Icarus." *Encyclopedia Mythica*. 2000 ed.

Because of testing guidelines, some style manual specifications (such as double-spacing and a separate page for citing works) have not been followed in this paper.

35 As it is used in paragraph 5, the word muster means —

- A explain
- B gather
- C carry through
- D check out

36 Which statement supports the concept that long-distance human flight is possible?

- F Kanellopoulos pedaled for four hours before seeing the island.
- G The pilot's body would exhaust its glucose within three hours.
- H Flights were cancelled due to the inclement weather.
- J The wingspan of the aircraft was extremely large.

37 Which question is *not* answered in this report?

- A Why was the aircraft named *Daedalus*?
- B What organizations carried out this experiment?
- C What types of materials were used to build the aircraft?
- D Are other human-powered flights planned for the future?

38 How did Icarus's flight differ from Kanellopoulos's?

- F A fall into the Aegean Sea
- G The materials used in the flight device
- H A flight between two islands
- J The flight device created by someone else

39 Which would be one of the final steps in completing this report?

- A Write a letter to Kanellopoulos asking for information
- B Create a preliminary outline
- C Proofread the rough draft of the paper for plagiarism
- D Search the Internet for recent articles about *Daedalus*

40 Which topic is too broad for a research paper?

- F Human-powered flight
- G Man's efforts to fly
- H Funding the *Daedalus* flight
- J Problems faced by *Daedalus* scientists

41 Chuck has decided to learn more about attempts at flight before the 1900s. Which resource will be the *most* useful?

- A *Flight Through the Ages*
- B *The Stories of the Greeks*
- C *The Wright Brothers Fly High*
- D *Great Flights of the Twentieth Century*

42 Read the following selection from page 10 of Wight's article, "Daedalus: The Long Odyssey from Myth to Reality."

"In each Kremer competition, the designers faced a common problem: how to reduce the power required by the aircraft to the amount available from a human being. This amount varies widely according to the person's age, training and motivation."

Which of the following is *not* considered plagiarism?

- F In each Kremer competition, the designers faced a similar problem: how to reduce the power needed by the aircraft to the amount available from a human being. This amount changes widely according to the person's age, training and motivation.
- G Wight indicates that in each Kremer competition, the designers faced a common problem: how to reduce the power required by the aircraft to the amount available from a human being. This amount varies widely according to the person's age, training and motivation.(10)
- H In his article Wight discusses a primary concern: "[. . .] the designers faced a common problem: how to reduce the power required by the aircraft to the amount available from a human being. This amount varies widely according to the person's age, training and motivation" (10).
- J One of the problems associated with human-powered flight is the power needed to fly. The designers were concerned about reducing the power required by the aircraft to the amount available from a human being. "This amount varies widely according to the person's age, training and motivation." (10)

Answer Key

Test Sequence Number	Answer Key	Reporting Category	Reporting Category Description
1	C	001	Understand a variety of printed materials.
2	F	001	Understand a variety of printed materials.
3	D	001	Understand a variety of printed materials.
4	H	001	Understand a variety of printed materials.
5	A	001	Understand a variety of printed materials.
6	G	001	Understand a variety of printed materials.
7	B	001	Understand a variety of printed materials.
8	H	002	Understand the elements of literature.
9	B	002	Understand the elements of literature.
10	H	001	Understand a variety of printed materials.
11	D	001	Understand a variety of printed materials.
12	F	002	Understand the elements of literature.
13	B	002	Understand the elements of literature.
14	G	002	Understand the elements of literature.
15	A	002	Understand the elements of literature.
16	J	003	Locate and use information from a variety of resource materials.
17	A	002	Understand the elements of literature.
18	G	002	Understand the elements of literature.
19	D	002	Understand the elements of literature.
20	G	002	Understand the elements of literature.
21	C	002	Understand the elements of literature.
22	H	002	Understand the elements of literature.
23	A	002	Understand the elements of literature.
24	G	002	Understand the elements of literature.
25	D	002	Understand the elements of literature.
26	J	002	Understand the elements of literature.
27	B	002	Understand the elements of literature.
28	G	002	Understand the elements of literature.
29	D	002	Understand the elements of literature.
30	H	002	Understand the elements of literature.
31	C	002	Understand the elements of literature.
32	G	002	Understand the elements of literature.
33	C	002	Understand the elements of literature.
34	H	002	Understand the elements of literature.
35	B	001	Understand a variety of printed materials.
36	F	003	Locate and use information from a variety of resource materials.
37	D	001	Understand a variety of printed materials.
38	G	001	Understand a variety of printed materials.
39	C	003	Locate and use information from a variety of resource materials.
40	G	003	Locate and use information from a variety of resource materials.
41	A	003	Locate and use information from a variety of resource materials.
42	H	003	Locate and use information from a variety of resource materials.